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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/004,427

DATE: 06/03/2002

TIME: 10:32:09

Input Set : N:\Crif3\RULE60\10004427.raw

Output Set: N:\CRF3\06032002\J004427.raw

1 <110> APPLICANT: Yerramilli, Subrahmanyam V.  
 2 Prashar, Yatindra  
 3 Newberger, Peter  
 4 Goguen, Jon  
 5 Weissman, Sherman M.  
 6 <120> TITLE OF INVENTION: A PROCESS TO STUDY CHANGES IN GENE EXPRESSION IN  
 7 GRANULOCYTIC CELLS  
 8 <130> FILE REFERENCE: 44921-5016-US  
 9 <140> CURRENT APPLICATION NUMBER: 10/004,427  
 10 <141> CURRENT FILING DATE: 2001-12-06  
 12 <150> PRIOR APPLICATION NUMBER: US/09/506,729  
 13 <151> PRIOR FILING DATE: 2000-02-18  
 15 <150> PRIOR APPLICATION NUMBER: PCT/US98/17284  
 16 <151> PRIOR FILING DATE: 1998-08-21  
 17 <150> PRIOR APPLICATION NUMBER: 60/056,844  
 18 <151> PRIOR FILING DATE: 1997-08-22  
 19 <160> NUMBER OF SEQ ID NOS: 66  
 20 <170> SOFTWARE: PatentIn Ver. 2.0  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 19  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Artificial Sequence  
 26 <220> FEATURE:  
 27 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
 28 <400> SEQUENCE: 1  
 29 ctctcaagga tctaccgct 19  
 31 <210> SEQ ID NO: 2  
 32 <211> LENGTH: 20  
 33 <212> TYPE: DNA  
 34 <213> ORGANISM: Artificial Sequence  
 35 <220> FEATURE:  
 36 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
 37 <400> SEQUENCE: 2  
 38 cagggtagac gacgctacgc 20  
 40 <210> SEQ ID NO: 3  
 41 <211> LENGTH: 20  
 42 <212> TYPE: DNA  
 43 <213> ORGANISM: Artificial Sequence  
 44 <220> FEATURE:  
 45 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
 46 <400> SEQUENCE: 3  
 47 taataccgcg ccacatagca 20  
 49 <210> SEQ ID NO: 4

ENTERED

## RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/10/004,427

TIME: 10:32:09

Input Set : N:\Crf3\RULE60\10004427.raw

Output Set: N:\CRF3\06032002\J004427.raw

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50 <211> LENGTH: 55
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
55 <220> FEATURE:
56 <221> NAME/KEY: variation
57 <222> LOCATION: (55)
58 <223> OTHER INFORMATION: v = a or c or g.
59 <400> SEQUENCE: 4
60      acgtaatacg actcactata gggcgaattg ggtcgacttt tttttttttt ttttv      55
61 <210> SEQ ID NO: 5
62 <211> LENGTH: 40
63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
67 <400> SEQUENCE: 5
68      ctctcaagga tcttaccgct tttttttttt ttttttttat      40
69 <210> SEQ ID NO: 6
70 <211> LENGTH: 40
71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
75 <400> SEQUENCE: 6
76      taataccgcg ccacatagca tttttttttt ttttttttcg      40
77 <210> SEQ ID NO: 7
78 <211> LENGTH: 40
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
83 <400> SEQUENCE: 7
84      cagggtagac gacgctacgc tttttttttt ttttttttga      40
85 <210> SEQ ID NO: 8
86 <211> LENGTH: 25
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of Artificial Sequence: Adapter
91 <400> SEQUENCE: 8
92      tagcgtccgg cgcagcgacg gccag      25
93 <210> SEQ ID NO: 9
94 <211> LENGTH: 29
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence: Adapter

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/004,427

DATE: 06/03/2002

TIME: 10:32:09

Input Set : N:\Crif3\RULE60\10004427.raw

Output Set: N:\CRF3\06032002\J004427.raw

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105     gatcctggcc gtcggctgtc tgtcggcgc
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108 <211> LENGTH: 40
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
113 <220> FEATURE:
114 <221> NAME/KEY: variation
115 <222> LOCATION: (39)..(40)
116 <223> OTHER INFORMATION: v at position 39 = a or c or g;
117     n at position 40 = a or c or g or t.
118 <400> SEQUENCE: 10
W--> 119     tgaagccgag acgtcggtcg tttttttttt tttttttvn
121 <210> SEQ ID NO: 11
122 <211> LENGTH: 52
123 <212> TYPE: DNA
124 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 11
126     tctcagttag ctgagatcac accactgcac tccaactggg cgacagagca ag
128 <210> SEQ ID NO: 12
129 <211> LENGTH: 51
130 <212> TYPE: DNA
131 <213> ORGANISM: Homo sapiens
132 <400> SEQUENCE: 12
133     cactttcccc aaattctttt gccatagttc actctctact gataaggcca c
135 <210> SEQ ID NO: 13
136 <211> LENGTH: 111
137 <212> TYPE: DNA
138 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 13
140     gggaaagtgg tggggtggtg aggggtcaatg tgcagaaaat cgatgtaact tgtaatacag
141     ttgagtcaac tgtgtgttca caacaactct gagagttaac accatttcta c
143 <210> SEQ ID NO: 14
144 <211> LENGTH: 166
145 <212> TYPE: DNA
146 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 14
148     atctaaatat tttcataacc gagttattaa ggagtcagta gtctgtgcta caatgctgca
149     aaaagcatca cgtggaagaa tgggaactat gcgtacttta tgaagtgatg tataacacaa
150     tgaactctgt ttacaacta cagtgtgcta ttcaattatc ttccat
152 <210> SEQ ID NO: 15
153 <211> LENGTH: 271
154 <212> TYPE: DNA
155 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 15
157     aagctctgta tacaaaagtt atttatttag atgttcgagg catgtctctc ctcacctgta
158     aactaactgt ttataacag cttgtatcac atgtgtgaag ttaatgaatg taatactcca

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## RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/10/004,427

TIME: 10:32:09

Input Set : N:\Crf3\RULE60\10004427.raw

Output Set: N:\CRF3\06032002\J004427.raw

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159      acaagccatt catcagattg gccaacagct aggatacagt taaataatgg cgaccaggtt 180
160      gacaagtcatt aattgcggtt tgggggaccg tagttgcacc tcacctagac caacgtacgc 240
161      atggcactcg acccaggcga acaaaattaa t                                     271
163 <210> SEQ ID NO: 16
164 <211> LENGTH: 350
165 <212> TYPE: DNA
166 <213> ORGANISM: Homo sapiens
167 <400> SEQUENCE: 16
168      tttctcaaga agagataaga atgaaaagtc atagaacaca tcatggagga cctggacaca 60
169      aatgcagaca agcagctgag ctctcaggag ttcattcatgc tgatggcgag gctaacctgg 120
170      gcctcccacg agaagatgca cgagggtgac gatggccctg gccaccacca taagccaggc 180
171      ctctggggagg gcacccccta agaccacagt ggacaagatc acagtggcca cggacacggc 240
172      cacagtcatt gtggccacgg ccacagccac taatcaggag gccaggccac cctgcctcta 300
173      cccaaccagg gccccggggc ctgttatgtc aaactgtctt ggctgtgggg                                     350
175 <210> SEQ ID NO: 17
176 <211> LENGTH: 455
177 <212> TYPE: DNA
178 <213> ORGANISM: Homo sapiens
179 <220> FEATURE:
180 <221> NAME/KEY: unsure
181 <222> LOCATION: (1)..(29)
182 <223> OTHER INFORMATION: n = a or c or g or t.
183 <400> SEQUENCE: 17
W--> 184      ngatctttct aggagggaga cactggccnc tcaaatcgtc cagcgacctt cctcatccac 60
185      cccatccctc ccagttcat tgcactttga ttagcagcgg aacaaggagt cagacatttt 120
186      aagatggttg cagtagaggc tatggacagg gcatgccacg tgggctcata tggggctggg 180
187      agtagttgtc tttcctggca ctaacgttga gccctggag gcaactgaagt gcttagtgta 240
188      cttggagtat tggggtctga ccccaaacac cttccagctc ctgtaacata ctggcctgga 300
189      ctgttttctc tcggctcccc atgtgtcctg gttcccgttt ctccacctag actgtgaacc 360
190      tctcgagggc agggaccaca ccctgtactg ttctgtgtct ttccacagctc ctcccacaat 420
191      gctgaatata cagcaggtgc tcaataaatg attct                                     455
193 <210> SEQ ID NO: 18
194 <211> LENGTH: 35
195 <212> TYPE: DNA
196 <213> ORGANISM: Homo sapiens
197 <400> SEQUENCE: 18
198      gcaagtgtgt tgtgttacag tgtcacaaca ccgag                                     35
200 <210> SEQ ID NO: 19
201 <211> LENGTH: 71
202 <212> TYPE: DNA
203 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 19
205      gatctctccc tacgcaaaac gtattgtagt gaaagggctt tctttactac ctttaataaaa 60
206      cagctagtgt g                                     71
208 <210> SEQ ID NO: 20
209 <211> LENGTH: 78
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapiens
212 <400> SEQUENCE: 20

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## RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/10/004,427

TIME: 10:32:09

Input Set : N:\Crif3\RULE60\10004427.raw

Output Set: N:\CRF3\06032002\J004427.raw

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213      gatctaaata caaaggatat acagtcttga atctaaaata atttgctaac tattttgatt 60
214      cttcagagag aactacta                                     78
216 <210> SEQ ID NO: 21
217 <211> LENGTH: 98
218 <212> TYPE: DNA
219 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 21
221      gatctagtcc ggacatgctg tgttatattgt aacgttaaata gaaaaaagaa cccccctttg 60
222      tattatagtc atgcggtcctt atgtatgata aacagttg                                     98
224 <210> SEQ ID NO: 22
225 <211> LENGTH: 114
226 <212> TYPE: DNA
227 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 22
229      gatcttttgt agtcacctct gtatcttatg tctggttgag ggggtgctttt acttgtctgg 60
230      catttgcatt caatgatctt tcagtcattg cagtttagact aaaaattatt tctg                                     114
232 <210> SEQ ID NO: 23
233 <211> LENGTH: 122
234 <212> TYPE: DNA
235 <213> ORGANISM: Homo sapiens
236 <400> SEQUENCE: 23
237      cccaagcccc ttggacactg cagctctttt cagtttttgc ttacacacaa ttcattcttt 60
238      gcagctaatt aagccgaaga agcgtgggaa tcaagtttgg aacagagatt aaaaaagttc 120
239      tt                                                         122
241 <210> SEQ ID NO: 24
242 <211> LENGTH: 123
243 <212> TYPE: DNA
244 <213> ORGANISM: Homo sapiens
245 <400> SEQUENCE: 24
246      gctctggagg acaatccagg aactacatta cctggactgt atgctgggtca tttctacaga 60
247      cagcattcag tatttgagtg tacggtaact gtctgggggtg attcctataa gatcattata 120
248      ctg                                                         123
250 <210> SEQ ID NO: 25
251 <211> LENGTH: 151
252 <212> TYPE: DNA
253 <213> ORGANISM: Homo sapiens
254 <400> SEQUENCE: 25
255      gatctttctc cttgaatatc tttcgataaa caacaagggtg gtgtgatctt aatatatttg 60
256      aaaaaaactt cattctcgtg agtcatttaa atgtgtacaa tgtacacact ggtacttaga 120
257      gtttctgttt gattcttttt taataaacta c                                     151
259 <210> SEQ ID NO: 26
260 <211> LENGTH: 92
261 <212> TYPE: DNA
262 <213> ORGANISM: Homo sapiens
263 <400> SEQUENCE: 26
264      tgtcactcat gccctgggac tgcttctcca gccaggcggg cgccatacgt cccacactag 60
265      tgaagggtcaa tgtctcagaa caacacctct at                                     92
267 <210> SEQ ID NO: 27
268 <211> LENGTH: 162

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/004,427

DATE: 06/03/2002  
TIME: 10:32:10

Input Set : N:\Crf3\RULE60\10004427.raw  
Output Set: N:\CRF3\06032002\J004427.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:10; N Pos. 40  
Seq#:17; N Pos. 1,29  
Seq#:60; N Pos. 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/004,427

DATE: 06/03/2002

TIME: 10:32:10

Input Set : N:\Crf3\RULE60\10004427.raw

Output Set: N:\CRF3\06032002\J004427.raw

L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0

L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0

L:618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0